

# Measuring Social Norms Using Ecological Momentary Assessment

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## Conflict of Interest

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Dr. Shiffman provides consulting services on tobacco harm minimization (including nicotine replacement therapy and digital vapor products) to subsidiaries of Reynolds American Inc.

Stuart G Ferguson has worked as a consultant for pharmaceutical companies on matters relating to smoking cessation.

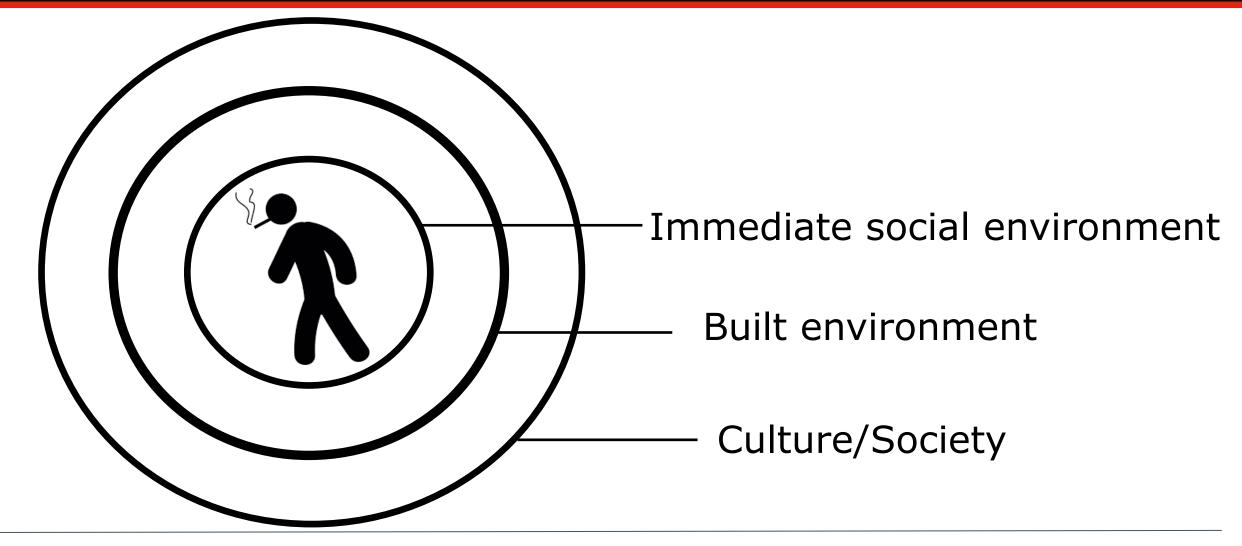
All other authors declare that they have no conflicts of interest.



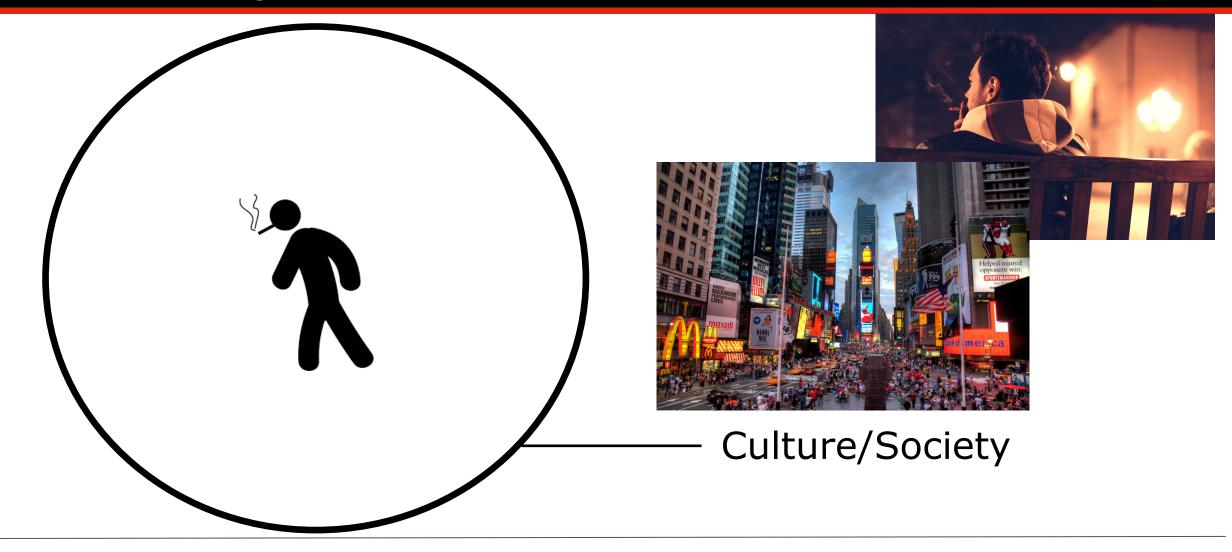
### Social Norms

- many definitions of social norms
- generally measured as relatively stable over time
- What if social norms change from moment to moment?
- Does this have implications on smoking?

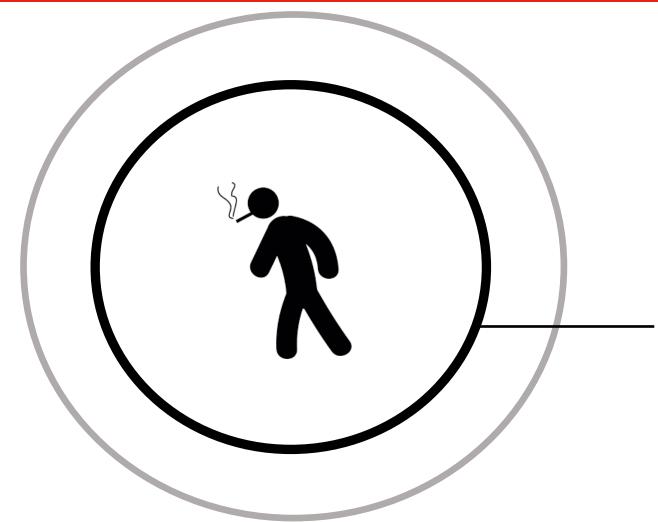










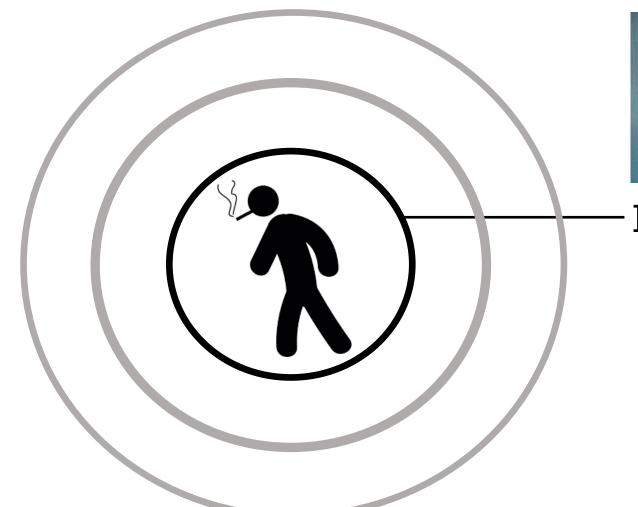




# Built environment









Immediate social environment







# Using EMA to Examine the Influence of Momentary Environments on Smoking



Contents lists available at ScienceDirect

#### Addictive Behaviors

journal homepage: www.elsevier.com/locate/addictbeh



Momentary smoking context as a mediator of the relationship between SES and smoking

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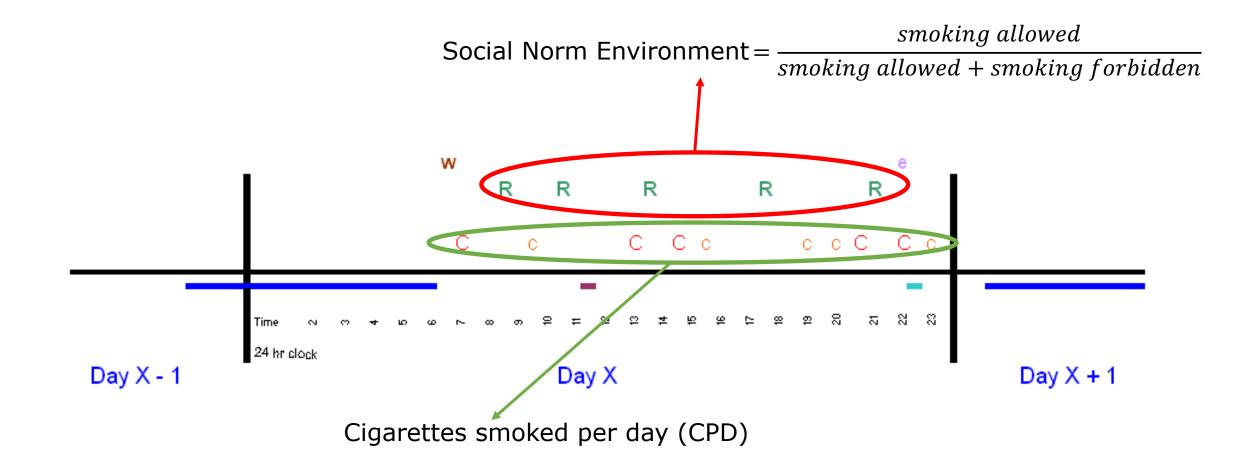
# Getting Closer to The Real-world: Ecological Momentary Assessment

- Examine within-person processes
- Repeated assessments
- Real-time (avoiding biases assoc. with recall)
- Real-world (more ecologically valid)



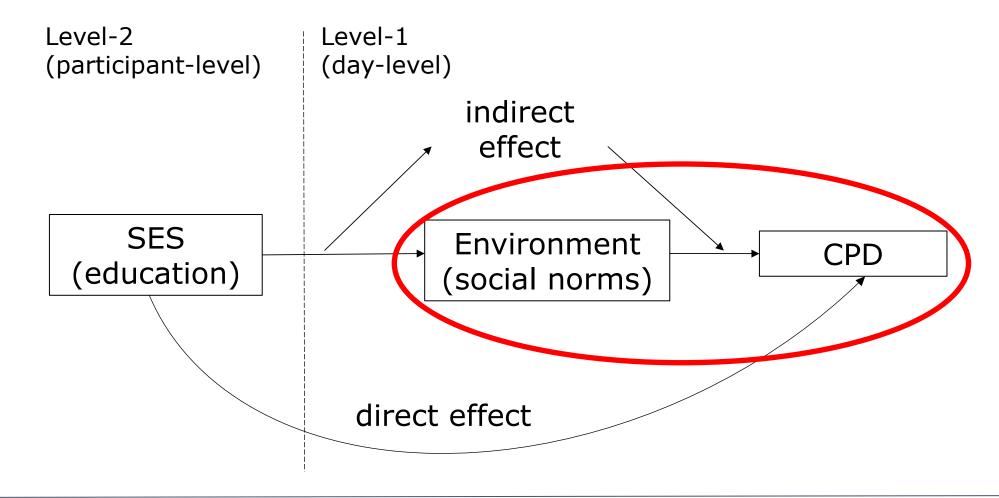


# Getting Closer to The Real-world: Ecological Momentary Assessment



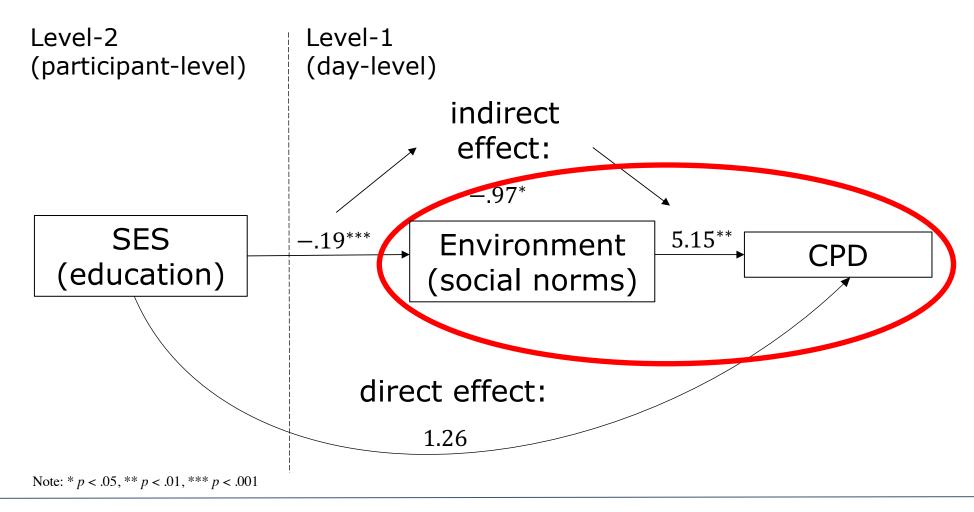


# Results





# Results





# Summary

- Social norms conceptualized as static variables
- But: Socio-ecological model suggest varying social norms
- EMA to examine effects of time varying social norms on smoking
- Momentary social norms influence smoking



# Summary





# In Progress/ Directions for Future Research

- ✓ Direct measures of social norms developed
- ✓ Modified to suit EMA study
- ✓ In progress: Test new measures in eating context
- ☐ In future: Test measures in smoking context



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http://www.utas.edu.au/health-medicine/research/groups/behavioural-and-situational-research-group-bsrg



Behavioural and Situational Research Group



